

TOS7000 series

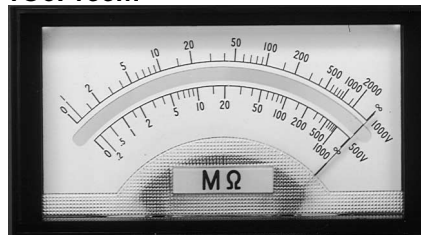
INSULATION RESISTANCE TESTER

TOS7100L



500/1000 V
0.2M to 200 MΩ(1000V)/0.1M to 100 MΩ(500V):TOS7100L
2M to 2000 MΩ(1000V)/1M to 1000 MΩ(500V):TOS7100M

TOS7100M



Outline

The Models TOS7100L and TOS7100M are able to perform insulation resistance testing of electronic devices based on the Electrical Appliance Control Act as well as IEC, CEE, BS, VDE, CSA and other safety standards.

Features

- Equipped with a Pass/fail judgement Function
Test results can be evaluated easily by setting judgement reference values in advance.
- Use of a Dual Pointer Meter
Both judgement reference values and measured values can be read independently.
- Two Output Modes
In the NORMAL mode, the measuring voltage is interrupted and an NG alarm is released when an NG judgement has been made. In the CONTINUE mode, the measuring voltage is not interrupted even if an NG judgement is made, and an NG alarm is released while continuing to indicate measured values.
- Provided with Remote Control Function
Both test and reset operations can be remote controlled from the outside.

Specifications

■ Rated Measuring Range	500/1000 V
■ Effective Measuring Range	500 V range: 0.1M to 100 MΩ (7100L) 1M to 1000 MΩ (7100M) 1000 V range: 0.2M to 200 MΩ (7100L) 2M to 2000 MΩ (7100M)
■ Accuracy	1st effective measuring range: ±5% of reading*1 2nd effective measuring range: ±10% of reading*1
■ Measuring Terminal Voltage	+5,-0% of rated measuring voltage when output terminal is open
■ Indicating Meter	Dual pointer meter, with mirror
■ Results Judgement	Pass/fail judgement
■ Limit Value Setting Range	Arbitrary set within effective measuring range
■ Judgement Accuracy	±15% of set value for 1st effective measuring range ±20% of set value for 2nd effective measuring range
■ Judgement Waiting-Time	Approx. 0.3 s
■ Output Mode Selection	NORMAL/CONTINUE
■ Line Voltage	100V±10%, 50/60 Hz*
■ Power Requirements	Max. 10 VA in RESET state Max. 20 VA when output terminal shorted
■ Dimensions (MAX)	200W × 140H × 270D mm (205W × 170H × 315D mm)
■ Weight	Approx. 3.7 kg
■ Accessories	High-voltage test lead TL05-TOS: 1

* Nominal voltages of 110V, 120V, 220V, 230V and 240V available as factory options.

*1 The 1st effective measuring range is a resistance measuring range of 1/1000 to 1/2 of the maximum effective scale value of each scale selected. Other ranges which are not within the 1st effective measuring range are 2nd effective measuring ranges.

TOS7000 series

INSULATION RESISTANCE TESTER

TOS7010L



50/100 V
0.2M to 200 MΩ(100V)/0.1M to 100 MΩ(50V)

Outline

Since the rated measuring voltage of the Model TOS7010L is 50/100 V, it is an insulation resistance tester suitable for insulation resistance testing in cases when a voltage of 500V or 1000V cannot be applied due to a low withstanding voltage as in the case of electronic components.

Note: The Model TOS7010L does not comply with the Electrical Appliance Control Act and other safety standards.

Features

- Equipped with a Pass/fail judgement Function
 Test results can be evaluated easily by setting judgement reference values in advance.
- Use of a Dual Pointer Meter
 Both judgement reference values and measured values can be read independently.
- Two Output Modes
 In the NORMAL mode, the measuring voltage is interrupted and an NG alarm is released when an NG judgement has been made.
 In the CONTINUE mode, the measuring voltage is not interrupted even if an NG judgement is made, and an NG alarm is released while continuing to indicate measured values.
- Provided with Remote Control Function
 Both test and reset operations can be remote controlled from the outside.

Specifications

■ Rated Measuring Range	50/100 V
■ Effective Measuring Range	50 V range: 0.1M to 100 MΩ 100 V range: 0.2M to 200 MΩ
■ Accuracy	1st effective measuring range: ±5% of reading*1 2nd effective measuring range: ±10% of reading*1
■ Measuring Terminal Voltage	+5,-0% of rated measuring voltage when output terminal is open
■ Indicating Meter	Dual pointer meter, with mirror
■ Results Judgement	Pass/fail judgement
■ Limit Value Setting Range	Arbitrary set within effective measuring range
■ Judgement Accuracy	±15% of set value for 1st effective measuring range ±20% of set value for 2nd effective measuring range
■ Judgement Waiting-Time	Approx. 0.3 s
■ Output Mode Selection	NORMAL/CONTINUE
■ Line Voltage	100V±10%, 50/60 Hz*
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